

**PEPTIDES WHICH GENERATE ANTIBODIES RESULTING IN LYSIS  
OF PATHOLOGICALLY ADHERENT ERYTHROCYTES**

**ABSTRACT OF THE DISCLOSURE**

The invention provides peptides and nucleic acids encoding them that can be used to raise antibodies that bind to and cause destruction of cells that have undergone conformational changes in human anion exchange protein 1 (AE1). The invention further provides methods for using the proteins and nucleic acids, uses for them, and compositions of the proteins or nucleic acids and a pharmaceutically acceptable carrier.

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